

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-089-42
NEW MADRID QUADRANGLE
11 MO.-28 KY.
N3630-W8930/15
DIAGRAM NJ 16-10
DYERSBURG

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

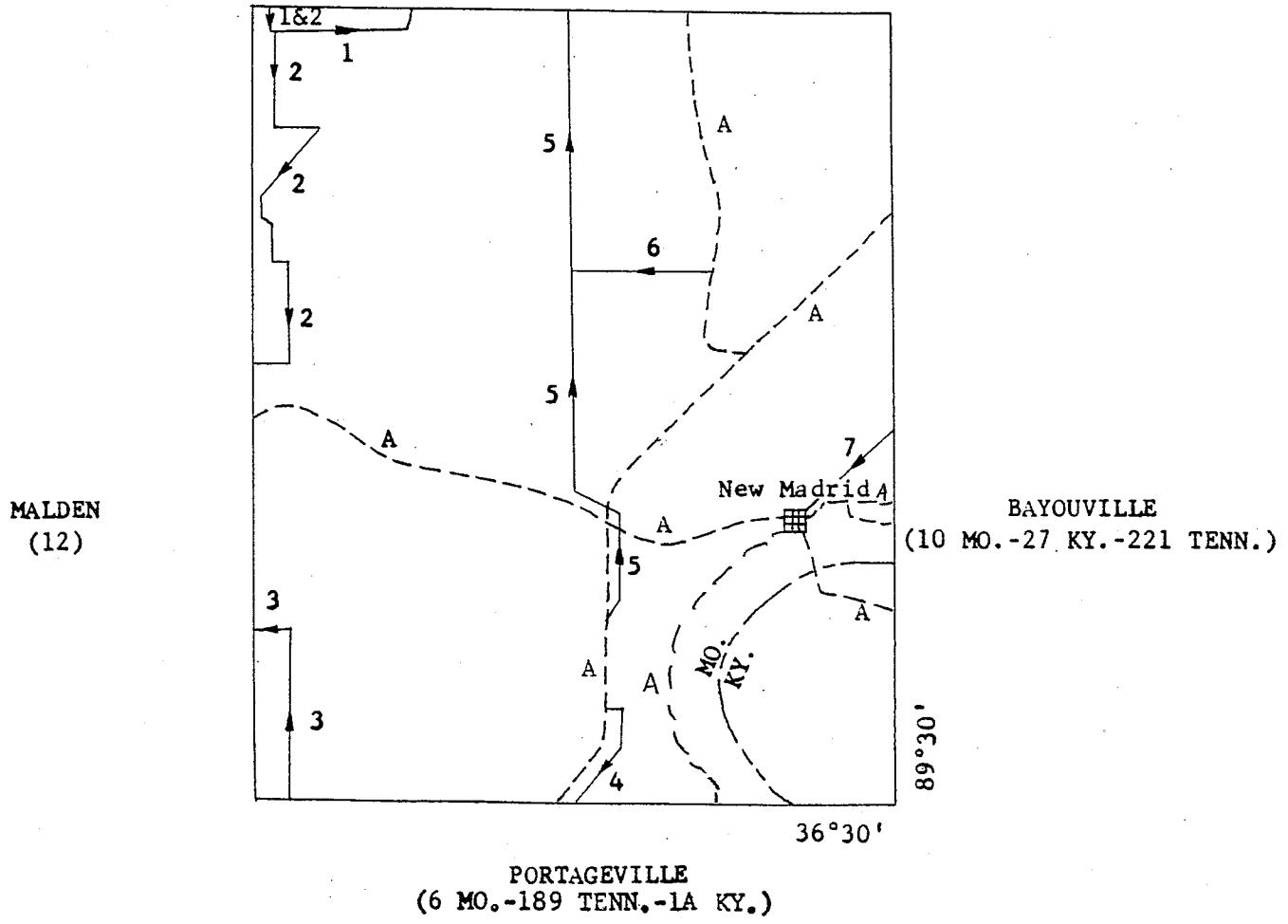
Fulton County, Kentucky; New
Madrid and Stoddard Counties, Missouri

Final adjustment of 1973

Edition of 10/7/75

PR: DSW/sws

SIKESTON
(34)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360894

11 MO.-28 KY.
NEW MADRID QUADRANGLE

36-089-42
N3630-W8930/15

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NEW MADRID QUADRANGLE
Book CV 1418

11 MO.-28 KY. A. J. Keepes

36-089-42

3

1962

LINE 1.

Feet

By A. J. Keepes, 1962; Book CV 1418

1	42	6.8	Reference mark; 28 ft N. and 17 ft E. of crossroads; on E. end of 18-in. metal culvert; punched hole	288.43
1	43	7.8	U.E. 6 A, 1.0 mi E. of tablet; 43 ft S.; 161 ft E. of and 0.6 ft lower than private drive S.; in S. root of a 26-in. oak tree; head of a RR. spike	287.51
1	44	8.9	U.E. 6 B, 2.1 mi E. of tablet; T. 24 N.; R. 13 E., near $\frac{1}{4}$ cor. secs. 1 and 12; center of rd. at fence S.	288.1
1	45	10.3	U.E. 6 C, 3.5 mi W. of tablet; at grade crossing of St. Louis-San Francisco RR. just S. of Canalou; 10 ft N.; 39 ft E. and 4.8 ft lower than crossing; on N. end of 18-in. metal culvert; a punched hole	287.28

LINE 2.

F. W. Krueger, 1969; Book CV 2400

7	3.0	Reference mark; punched hole (Described in line 1)	288.43
8	3.0	Canalou, 1.0 mi S. and 3.5 mi W. of; T. 24 N.; R. 12 E.; near quarter cor. secs. 3 and 10; 42 ft S. and 130 ft lower than crossroads; 42 ft S. and 25 ft E. of E.-W. rd. at private drive S.; 2 ft W. of power pole; in angle formed by guy wire; in concrete post; standard tablet stamped "8 FWK 1969 289" (NOTE: This bench mark replaces "6 KEE 1961" which was destroyed) (Reported destroyed, 1975)	288.588
9	4.0	UE 8 A, 1.0 mi S. from tablet; T. 23 N.; R. 12 E., near quarter cor. between secs. 10 and 15; 19 ft S. and 1.4 ft lower than T-rd. E.; on E. end of an E.-W. 36-in. iron pipe culvert; punched hole in a painted square	286.82

LINE 2 (Cont'd.)Feet

- 10 5.1 UE 8 B, 2.0 mi S. along State Route "CC" from tablet; at the junction of State Route "CC" and "D"; T. 24 N.; R. 12 E. near quarter cor. between secs. 15 and 22; 38 ft S. and 20 ft W. of, and 0.7 ft lower than T-rd. N.; rd. S. slightly offset; on E. side of power pole; a cotton spindle 287.03
- 11 6.1 Reference mark, 0.5 mi W. from tablet; 11 ft N. and 0.7 ft higher than bridge at drain; 21.2 ft above drain; center of N. concrete curb of bridge; chiseled square 298.44
- 12 6.6 Canalou, 2.75 mi S. and 2.0 mi W. of; 7.0 mi N. and 5.5 mi E. of Parma; in the community of Charteroak; T. 24 N., R. 12 E., near cor. secs. 13, 14, 23 and 24; 12 ft N., 160 ft E. and 0.5 ft higher than E.-W. rd. at RR.; 12 ft N. & 30 ft E. and 0.5 ft higher than T-rd. S.; 12 ft N., 30 ft W. and 0.7 ft higher than bridge at drain; 10.4 ft above drain; on W. end of N. concrete curb of bridge; standard tablet, countersunk, stamped "9 FWK 1969" (RR. is St. Louis-San Francisco RR.) 290.627
- 13 8.0 UE 9 A, 1.3 mi SW. along RR. track form tablet; T. 24 N., R. 12 E., near cor. secs. 22, 23, 26, and 27; 6 ft SE. & 39 ft SW. and 1.7 ft lower than bridge at drain; 9.9 ft above drain; on SW. wooden timber of RR. bridge, No. 179.6; driven vertically, top of cotton spindle 287.33
- 14 8.7 UE 9 B, 2.1 mi SW. along S.L.-S. F. RR. from tablet; T. 24 N., R. 12 E., near center sec. 27; top of S. rail at center of field rd. S.; chiseled cross in a painted square 288.12
- 15 9.3 Parma, 5.0 mi N. and 4.0 mi E. of; T. 24 N.; R. 12 E., near quarter cor. between secs. 27 and 34; 40 ft N. & 28 ft E. and 0.3 ft lower than crossroads; 3 ft N. of a power pole; in angle formed by guy wire; in concrete post; standard tablet stamped "10 FWK 1969" (stamped "285", tagged) (Reported destroyed, 1975) 284.432
- 16 9.3 Reference mark, 21 ft N. and 33 ft W. of tablet; 19 ft N. and 9 ft W. of crossroad; on W. end of an E.-W. 18-in. concrete pipe culvert; chiseled square 283.84

LINE 2 (Cont'd.)

			<u>Feet</u>
1	17	10.4 UE 10 A, 1.0 mi S. from tablet; Tps. 23 and 24 N.; R. 12 E., near quarter cor. between secs. 3 and 34; 77 ft S. and 280 ft E. (rd. curves) of T-rd. N.; rd. W. is State Route "Z"; 2.1 ft higher than T-rd.; 23 ft N. of E.-W. rd.; on S. side of a 30-in. tree; a cotton spindle	286.20
18	10.9	UE 10 B, 1.0 mi S. and 0.5 mi E. of tablet; Tps. 23 and 24 N., R. 12 E., near cor. secs. 2, 3, 34, and 35; 9 ft N. and 21 ft E. of, and 1.5 ft lower than bridge at drain; 7.9 ft above drain; on N. end of E. timber of bridge; driven vertically; a cotton spindle	283.59
19	12.1	Parma, 3.0 mi N. and 4.5 mi W. of; T. 23 N., R. 12 E., near N. sixteenth cor. between secs. 10 and 11; 20 ft S. and 25 ft E. of, and 1.7 ft higher than N.-S. rd. at E.-W. drain; in uncultivated corner of field; in concrete post; standard tablet stamped "11 FWK 1969" (stamped "285" and tagged) (Not found, 1975)	284.633
20	12.1	Reference mark, 20 ft N. and 40 ft W. of tablet; 15 ft W. of rd. at drain; on W. end of an E.-W. 30-in. iron pipe culvert; 0.5 ft above drain; punched hole in a painted square	279.40
21	13.3	UE 11 A, centerline, 1.0 mi S. and 0.1 mi W. from tablet; T. 23 N., R. 12 E., near cor. secs. 10, 11, 14 and 15, center of bridge at drain; 7.8 ft above drain; a cotton spindle driven vertically	282.23

LINE 3.

F. W. Krueger, 1969; Book CV 2400

59	12.5	Portageville, 5.5 mi N. and 2.0 mi W. of; T. 22 N., R. 12 E., near cor. secs. 26, 27, 34 and 35; 27 ft S.; 150 ft E. and 1.0 ft lower than crossroads; rd. E. is State Route "EE"; 19 ft E. of power pole; in NW. corner of house yard; in concrete post; standard tablet stamped "17 FWK 1969 273"	273.403
60	12.7	Reference mark, 0.25 mi N. from tablet; 110 ft S. and 10 ft W. and 0.2 ft higher than bridge over Little River ditch; 11.4 ft above drain (high water conditions) center of SW. wooden pier; a cotton spindle driven vertically	280.46

LINE 3. (Cont'd.)Feet

61	13.1	UE 17 A, 1.0 mi N. from tablet; T. 22 N., R. 12 E., near cor. secs. 22, 23, 26, and 27; 21 ft S. and 67 ft W. of a wooden bridge; 3.0 ft lower than deck; 21 ft S. and 19 ft W. of, and 2.9 ft lower than crossroad; on S. end of N.-S. 18-in. iron pipe culvert; punched hole in painted square	273.11
62	14.1	UE 17 B, 2.0 mi N. from tablet; T. 22 N., R. 12 E., near cor. secs. 14, 15, 22 and 23; 15 ft N. and 19 ft W. of, and 1.7 ft lower than T-rd. W.; at high point of concrete headwall of culvert; chiseled square	275.34
63	15.2	Portageville, 9.0 mi N. and 2.0 mi W. of; T. 22 N., R. 12 E., near cor. secs. 10, 11, 14 and 15; in the community of Baderville; 11.0 ft S. and 320 ft W. of T-rd S.; E.-W. rd. is U.S. Highway 62; 11 ft S. and 100 ft E. of bridge at Little River Ditch; 0.7 ft higher than bridge; 11.0 ft above drain; abnormal high water this date; in SE. wingwall of bridge; standard tablet countersunk, stamped "18 FWK 1969 286" 285.929	285.929
63	15.2	Reference mark, 22 ft N. and 4 ft E. of tablet; 11 ft N. of rd. at E. end of bridge; on NE. concrete wingwall of bridge; chiseled cross painted yellow	285.93

LINE 4.

F. W. Krueger, 1969; Book CV 2400

2	2	0.0	"D 27 1933" (NGS)	286.095
2	0.2	UE D 27 A, 0.2 mi E. from disk; T. 22 N., R. 13 E., near cor. secs. 13, 14, 23 and 24; 30 ft N. and 18 ft W. of, and 0.4 ft higher than U.S. Highway 61 at E.-W. rd.; center of W. concrete headwall of culvert; chiseled square	288.27	
3	1.5	Marston, at the N. edge of; 68 ft SE. of farmers cotton and grain office; 34 ft S. and 39 ft W. of driveway to the office; 2 ft NE. of a telephone pole; in concrete post; standard disk stamped "TT 10 TWC 1950" (reported slightly tipped, 1969)	289.108	
4	1.6	Reference mark, 100 ft N. and 30 ft E. from tablet; 20 ft W. and 1.1 ft lower than hwy. at culvert; center of W. concrete headwall of culvert; chiseled square	288.95	

LINE 4 (Cont'd.)Feet

5	3.5	UE TT 10 A, 1.0 mi S. along U.S. Highway 61 from tablet T. 22 N., R. 13 E., near center of sec. 36; 1 ft N. and 50 ft E. and 0.3 ft lower than hwy. at E.-W. fences; on W. side of power pole; cotton spindle	291.80
6	3.4	UE TT 10 B, 2.0 mi SW. along U.S. Hwy. 61 from tablet; Tps. 21 and 22 N., R. 13 E., near W. sixteenth cor. between secs. 2 and 35; 16 ft N. and 51 ft E. of, and 0.9 ft lower than crossroad; center of N. concrete headwall of culvert; chiseled square	288.15

LINE 5.

F. W. Krueger, 1969; Book CV 2400

4	2	0.0	"Y 26 1933" (NGS)	285.124
2	1.1	UE Y 26 A, 1.0 mi W. along State Route "D" from disk; T. 23 N., R. 13 E., near quarter cor. between secs. 34 and 35; 27 ft N. and 32 ft W. of, and 1.8 ft lower than T-rd. N.; junction of State Routes "D" and "MN"; center of NW. concrete headwall of culvert; chiseled square	281.41	
4	3.0	Kewanee, 3.0 mi S. and 3.0 mi W. of; T. 23 N., R. 13 E., near cor. secs. 14, 15, 22 and 23; 82 ft S. and 33 ft W. of, and 0.9 ft lower than N.-S. rd. at private drive W.; 3 ft S. of ornamental evergreen tree; in SE. corner of house yard; in concrete post; standard tablet stamped "37 FWK 1969 280"	279.753	
5	3.0	Reference mark, 102 ft N. and 8 ft E. of tablet; 20 ft N. and 25 ft W. of, and 1.1 ft lower than N.-S. rd. at private drive W.; on N. end of a N.-S. 18 in. iron pipe culvert; punched hole, in a painted square	279.48	
6	3.7	UE 37 A, 0.6 mi N. from tablet; T. 23 N. R. 13 E., near N. sixteenth cor. between secs. 14 and 15; 8 ft N. and 0.4 ft lower than bridge at drain; 8.5 ft above drain; driven horizontally through hole in steel beam into wood; cotton spindle	281.67	
7	4.9	UE 37 B, 2.2 mi N. from tablet; T. 23 N., R. 13 E., near cor. secs. 2, 3, 10 and 11; 320 ft N. and 30 ft W. of, and 0.4 ft higher than N.-S. rd. at field rd. E.; on E. side of a 30-in. elm tree; cotton spindle	283.28	

<u>LINE 5 (Cont'd.)</u>			<u>Feet</u>
8	6.1	Reference mark, 40 ft W. of tablet; 27 ft S. and 20 ft E. of, and 12 ft lower than T-rd. S.; on E. end of an E.-W. 18-in. concrete pipe culvert; chiseled square	281.41
9	6.1	Kewanee, 3.0 mi W. of; Tps. 23 and 24 N., R. 13 E., near cor near cor. secs. 2, 3, 34 and 35; 30 ft S. and 40 ft E. of, and 1.1 ft lower than T-rd. S.; E.-W. rd. is State Route "Y"; 3 ft W. of power pole; in concrete post; standard tablet stamped "38 FWK 1969 282"	282.228
4	10	UE 38 A, 1.0 mi N. from tablet; T. 24 N., R. 13 E., near cor. secs. 26, 27, 34 and 35; 25 ft N. and 12 ft W. of, and 2.6 ft lower than crossroad; on W. end of a 30-in. iron pipe culver; S. one of two; punched hole in painted square	282.90
11	8.1	UE 38 B, 2.0 mi N. from tablet; T. 24 N., R. 13 E., near cor. secs. 22, 23, 26 and 27; 17 ft N. and 25 ft E. of, and 1.5 ft lower than crossroad; on E. end of a 30-in. E.-W. iron pipe culvert; punched hole in painted square	284.33
12	9.2	Reference mark, 149 ft S. and 47 ft E. of tablet; 26 ft N. and 17 ft E. of, and 1.1 ft lower than crossroad; on E. end of a 36-in iron pipe culvert; punched hole in painted square	286.58
13	9.2	Kewanee, 3.0 mi N. and 3.0 mi W. of; T. 24 N., R. 13 E., near cor. secs. 14, 15 22 and 23; 175 ft N. and 30 ft W. of, and 2.2 ft lower than crossroad; in island formed by private entrances W.; 2 ft W. of power pole; in concrete post; standard tablet stamped "39 FWK 1969 286"	285.486
14	10.2	UE 39 A, 1.0 mi N. from tablet; T. 24 N., R. 13 E., near cor. secs. 10, 11, 14 and 15; 12 ft N. and 32 ft W. of, and 0.3 ft higher than N.-S. rd. at entrance W.; on E. side of power pole; set at approx. elevation of USDA metal disk; cotton spindle	288.71
15	11.2	UE 39 B, 2.0 mi N. from tablet; T. 24 N., R. 13 E., near cor. secs. 2, 3, 10 and 11; 15 ft N. and 12 ft W. of, and 1.8 ft lower than N.-S. rd. at E.-W. field trails; 12 ft W. of N.-S. rd. at drains; on W. end of E.-W. 24-in. iron pipe culvert; S. one of two; punched hole in painted square	287.37

LINE 5 (Cont'd.)Feet

16 12.2 Kewanee, 6.0 mi N. and 3.0 mi W. of; 2.5 mi W. of
 Matthews; Tps. 24 and 25 N., R. 13 E., near cor. secs.
 2, 3, 34, and 35; 33 ft S. and 76 ft W. of, and 0.5
 ft lower than T-rd. S.; E.-W. rd. is State Route
 "H"; 2 ft W. of power pole; in concrete post; standard
 tablet stamped "40 FWK 1969 290" 289.814

LINE 6.

F. W. Krueger, 1969; Book CV 2400

4 37 0.0	"D 26 1933" (NGS)	302.122
37 0.7	UE D 26 A, 0.7 mi W. along State Route "Y" from disk; Tps. 23 and 24 N., R. 14 E., near quarter cor. between secs. 6 and 31; 12 ft N. and 42 ft W. of, and 0.7 ft higher than bridge at drain; 8.0 ft above drain; on W. end of N. concrete curb of bridge; chiseled square 288.06	
4 38 1.8	UE D 26 B, 1.8 mi W. from disk along State Route "Y" ; Tps. 23 and 24 N., R. 13 E., near quarter cor. between secs. 1 and 36; 12 ft N. and 40 ft W. of, and 0.6 ft higher than bridge at drain; 9.7 ft above drain; on W. end of N. concrete curb at bridge; chiseled square 286.98	
39 3.2	"38 FWK 1969 282" (Described in line 5)	282.228

LINE 7.

B. R. Larson, 1967; Book CV 2136

10.0	UE 22 A, 1.2 mi SW. of tablet; 68 ft SE. and 16 ft W. of, and 3.6 ft higher than T-rd. NW.; in center of headwall of a large concrete culvert; chiseled square 296.34	
11.1	UE 22 B, 2.3 mi SW. of tablet; 20 ft W. of and 0.4 ft higher than Y-junction leading to levee; on E. side of large oak tree; a rail spike 298.96	
12.0	"C 27 1933" (NGS) 304.891	

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

36-089-42
NEW MADRID QUADRANGLE
11 MO.-28 KY.
N3630-W8930/15
DIAGRAM NJ 16-10
DYERSBURG

New Madrid and Stoddard Counties, Missouri;
Fulton County, Kentucky

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

Edition of 1/12/78

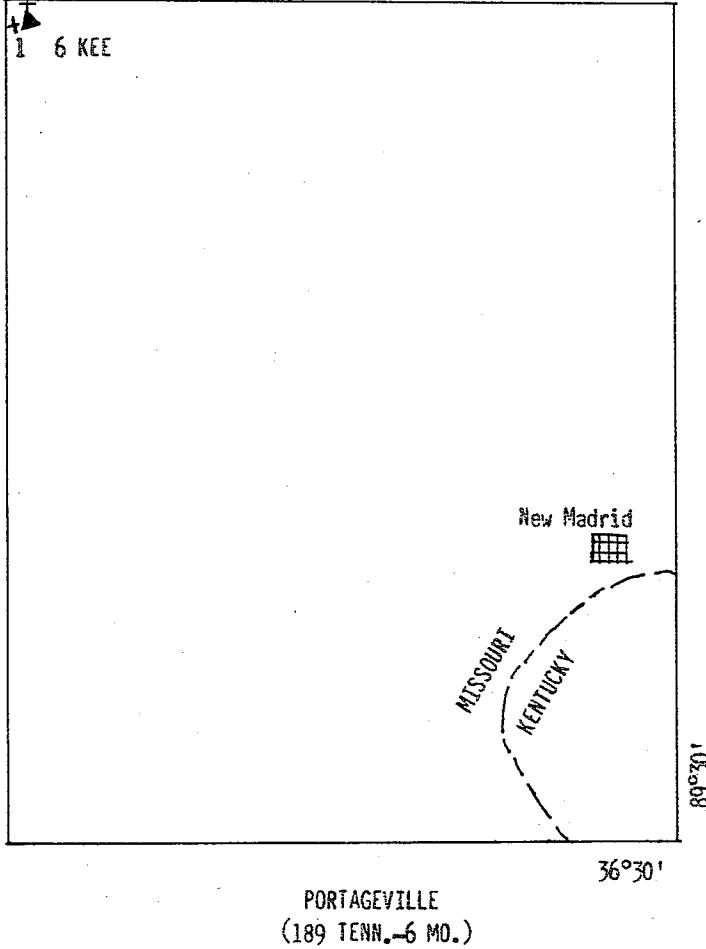
PR: CRV/rmm

Plane coordinates are based on Lambert projection,
Kentucky, South Zone; transverse Mercator projection,
Missouri, East Zone

SIKESTON
(34)

MALDEN
(12)

BAYOUILLE
(10 MO.-27 KY.-221 TENN.)



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

11 MO.-28 KY.
NEW MADRID QUADRANGLE

36-089-42
N3630-W8930/15

INDEX OF PERMANENT MARKS

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11 MO.-28 KY.
NEW MADRID QUADRANGLE

36-089-42

3

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° , "	LONGITUDE ° , "
The following positions are considered <u>OBsolete</u> . To be used only to locate permanent marks in the field.			
By D. R. Cabaniss, 1931; Book C9775	Charteroak, 45 ft E. of station; 27 ft S. of center of track; in concrete post; standard tablet stamped "TI 7 C 1931"		
Ky. S.)	X = 837,539 Y = 164,286	36 43 03.10	89 43 01.29
By T. W. Cayce, 1950; Book AH 176			
Marston, 1.2 mi SW. of, along St. Louis-San Francisco Railway; at rd. crossing; 100 ft NNW. of abandoned Y-rd.; in concrete post; standard tablet stamped "TI 9 TWC 1950"	X = 860,516 Y = 85,311	36 30 12.29	89 37 39.53
Marston; at N. edge of; 68 ft SE. of farmers cotton and grain office; 34 ft S. and 39 ft W. of junction of driveway to cotton and grain office; 2 ft NE. of telephone pole; in concrete post; standard tablet stamped "TI 10 TWC 1950"	X = 865,226 Y = 91,977	36 31 20.06	89 36 45.23
Marston, 2.3 mi N. of, along U. S. Highway 61; 0.3 mi S. of junction of U. S. Highways 61 and 62; 54 ft E. of centerline of Highway 61; 15 ft N. of centerline of driveway to farmyard; 3 ft W. of powerline pole; in concrete post; standard tablet stamped "TI 11 TWC 1950" <i>Reported Destroyed</i>	X = 866,543 Y = 102,564	36 33 05.19	89 36 34.41
Lilbourn; at intersection of Fifth Street and Marston Highway; 47 ft NW. of centerline of hwy.; 27 ft W. of RR. crossing; in concrete post; standard tablet stamped "TI 12 TWC 1950"	X = 866,302 Y = 115,858	36 35 16.43	89 36 44.01
Lilbourn, 1.0 mi NW. of, thence 0.9 mi N. along graveled rd.; 15 ft N. and 40 ft W. of centerline of rd. "TI 13 TWC 1950"	X = 862,091 Y = 124,576	36 36 40.86	89 37 39.98
Lilbourn, 1.0 mi NW. of, thence 2.5 mi N., thence 0.5 mi E.; 24 ft N. of centerline of rd.; 56 ft NE. of 32-in. elm tree; 8 ft E. of SW. corner of garden fence; in concrete post; standard tablet stamped "TI 14 TWC 1950" <i>(Reported destroyed, 1979)</i>	X = 864,923 Y = 132,953	36 38 04.77	89 37 09.49

11 MO.-28 KY.
NEW MADRID QUADRANGLE

36-089-42
4

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Ristine, 2.7 mi W. of; 1.2 mi W. of Rosenwald School; 45 ft S. of centerline of rd.; 115 ft W. of residence of E. S. Morton; 2 ft N. of NW. corner of pasture fence; in concrete post; standard tablet stamped "TT 15 TWC 1950" (Reported destroyed, 1979)

Ky. S.) X = 871,894 Y = 138,008 36 38 57.52 89 35 46.55

Ristine; 700 ft S. of Buckeye Cotton Oil Company; 20 ft S. and 47 ft E. of St. Louis-Southwestern Railway crossing U. S. Highway 61; 2 ft W. of telephone pole; in concrete post; standard tablet stamped "TT 16 TWC 1950" (Not found, 1979)

X = 885,831 Y = 136,923 36 38 52.38 89 32 55.14

New Madrid, 2.5 mi N. of, thence 0.5 mi E.; 27 ft N. of centerline of rd. at junction of I-rd. S.; 2 ft S. of wire fence; in concrete post; standard tablet stamped "TT 18 TWC 1950" (Not found, 1979)

X = 896,598 Y = 129,154 36 37 39.88 89 30 39.34

MARK TIED BY NGS

By T. W. Cayce, 1950; Book AM 176

Ristine, 1.6 mi E. of; 4.0 mi N. of New Madrid; 18 ft E. of centerline of rd. at junction of I-rd.; 3 ft NW. of powerline pole; 1 ft W. of N.-S. fenceline; in concrete post; standard tablet stamped "TT 17 TWC 1950"

X = 894,255.21 Y = 137,114.58 36 38 57.607 89 31 11.952

THIRD-ORDER ELECTRONIC TRAVERSE

Final adjustment of 1978

LINE 1.

By N. A. Watkinson, 1962; Book CH 1574

Canalou, 1.0 mi S. and 3.5 mi W. of; T. 24 N., R. 12 E.; near quarter cor. secs. 3 and 10; 42 ft S. and 130 ft lower than crossroads; 42 ft S. and 25 ft E. of E.-W. rd. at private drive S.; 2 ft W. of power pole; in angle formed by guy wire; in concrete post; standard tablet stamped "8 FWK 1969 289" (NOTE: This bench mark replaces "6 KEE 1961" which was destroyed) (Reported destroyed, 1975)

HORIZONTAL POSITION LOST